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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT - MEXICO,
04 MAY 1975

R. J. Woolson, et al

Teledyne Geotech

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SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
Mexico, 04 May 1975

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October 1975

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EDITION OF 1 NOV 65 IS OBSOLETE

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Mexico, 04 May 1975

	Origin Time	Latitude	Longitude	m_b	M_s
NORSAR	15:23:11	13.8N	095.0W	4.7	N/A
LASA	15:23:06	13.3N	093.5W	4.7	N/A

15:23:11.8 14.6N 094.2W 4.7 4.0

Short-period signals associated with this event were recorded at CPSO, RK-ON, LASA and NORSAR. Horizontal channels at FN-WV were not rotated due to unknown instrument orientation.*

Details of the program used to obtain beamed vertical, radial and transverse long-period data at ALPA and LASA are in the process of being reviewed. Vertical beams are probably valid while horizontal beams are questionable.

*Due to operational problems the instrument hole lock was repositioned and the known orientation lost. Situation corrected 24 May 75 when the instrument was moved to a new borehole.

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STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES		ELEVATION METERS	INSTRUMENTATION	
		DEG	MN SECS		SHORT-PERIOD	LONG-PERIOD
ALPA	Alaska	65 14	00.0 N 147 44 36.0 W	626	None	31300
CPSO	McMinnville, Tennessee	35 35	41.4 N 085 34 13.5 W	574	6480 V 7515 H	SL210 V SL220 H
FN-WV	Franklin, West Virginia	38 32	58.0 N 079 30 47.0 W	910	KS36000	KS36000
LASA	Billings, Montana	46 41	19.0 N 106 13 20.0 W	744	HS10	7505A V 8700C H
HN-ME	Houlton, Maine	46 09	43.0 N 067 59 09.0 W	213	18300	SL210 V SL220 H
NORSAR	Kjeller, Norway	60 49	25.4 N 010 49 56.5 E	379	HS10	7505A V 8700C H
RK-ON	Red Lake, Ontario	50 50	20.0 N 093 40 20.0 W	366	18300	SL210 V SL220 H
WH2YK	White Horse, Yukon	60 41	41.0 N 134 58 02.0 W	853	18300	SL210 V SL220 H

HYPOCENTER DETERMINATION

INPUT FOR EVENT 4 MAY 75
 15:23:06.0 13.300N 93.500W 0 KM.

STA.	ARRIVAL	RESIDUALS		DIST.	AZ.
		CALC	REST		
CPC	15 28 10.9	0.0	0.5	22.3	18.8
LAC	15 29 53.7	0.0	0.8	33.6	345.0
RK-ON	15 30 14.0	0.0	-1.4	36.2	0.6
NAO	15 35 46.2	0.0	0.1	84.6	28.4

67 HERPIN TRAVEL TIME TABLES

ORIGIN	LAT.	LONG.	DEPTH (KM)	SDV	IT	STA
15:24:12.6	17.465N	93.702W	428. CALC	0.0	6	4
15:23:11.8	14.561N	94.205W	0. REST	1.0	2	4

CALC
 1 . 2
 0 0 . 1 0
 0
 0 0 . 0 0
 0 . 0

REST
 1 . 2
 0 0 . 1 0
 0
 0 0 . 0 0
 0 . 0

CHI2 COVERAGE ELLIPSE: 95 PER CENT CONF..LEVEL, SDV= 1.26
 MAJCF 91.9KM. MINOR 75.4KM. AZ= 34 AREA= 21767 SQ.KM. REST

DATA SUMMARY

INPUT FOR EVENT 4 MAY 75
15:23:06.0 13.300N 93.500W 0KM.

STA.	PHASE	ARRIVAL		INST	F/R	A/T	MAGNITUDE		DIR	DIST
		TIME					MB	MS		
CFC	EP	15 28	10.9	SFZ	1.0	32.	4.44			22.3
CPC	LR	15 38	44.0	LPZ	22.0	22.		3.81		22.3
FN-WV	LR	15 41	33.0	IPZ	19.0	45.		4.21		27.2
LAC	EP	15 29	53.7	AB	1.4	34.	4.93			33.6
PK-CN	EP	15 30	14.0	SPZ	1.2	12.	4.36			36.2
RK-CN	E	15 44	39.0	LPR	26.0	6.				
WH2YK	LR	15 59	18.0	LPZ	17.0	19.		4.14		54.7
ALFA	LQ	15 58	07.0	LPP	22.0	3.				
ALFA	LR	16 03	16.0	LPZ	19.0	11.		3.95		62.0
NAC	EP	15 35	46.2	AP	1.5	21.	5.02			84.6

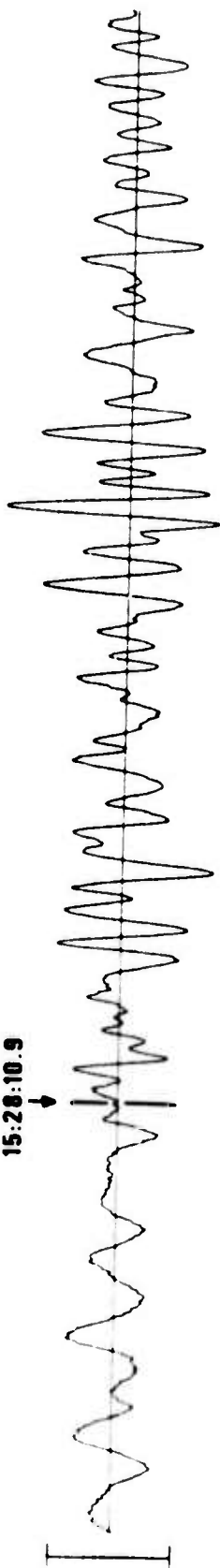
ORIGIN	LAT.	LONG.	DEPTH (KM)	MAG	SDV	STA	LP MAG	LP SLV	LP STA
15:24:12.6	17.465N	93.762W	428. CALC	4.26	0.29	3	3.99	0.2	4
15:23:11.8	14.561N	94.205W	C. REST	4.69	0.34	4	4.03	0.2	4

CPO NOT USED IN CALC RUN SP AVG. MAG.

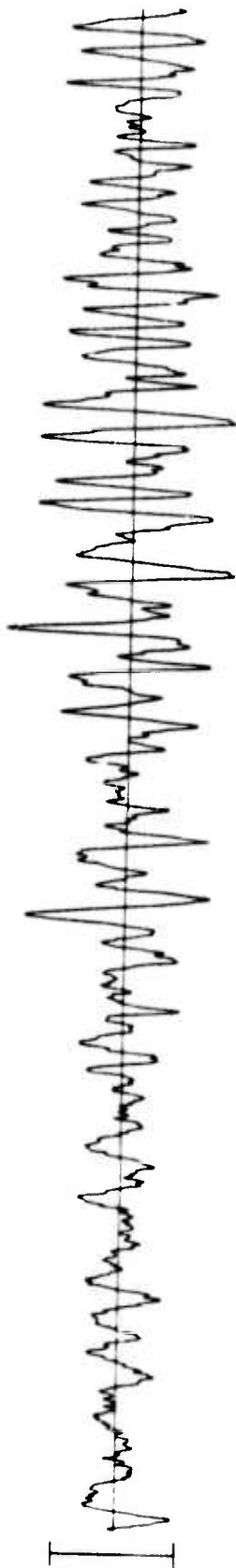
CP-S0 04 MAY 75

15:28:10.9
↓

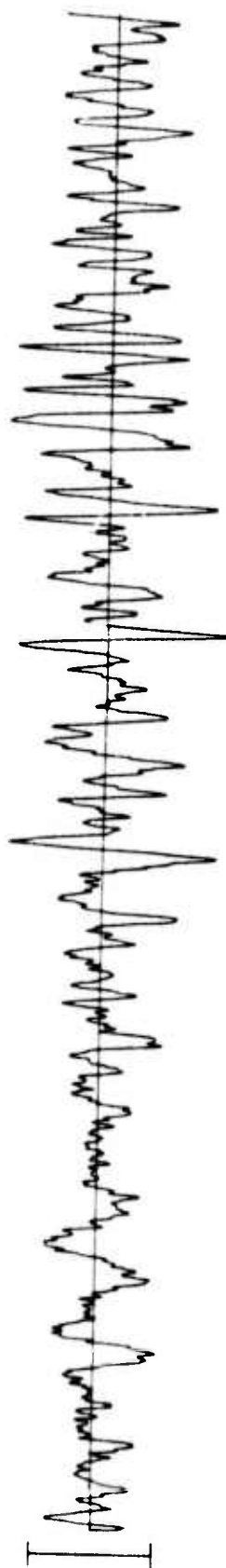
SPZ
43.44 Mμ



6.
SPR
22.89 Mμ



SPT
10.02 Mμ



TIME

10 SEC



RK-ON 04 MAY 75

15:30:15.0° (UNCORRECTED)

SPZ
5.16 Mμ



SPR
5.47 Mμ



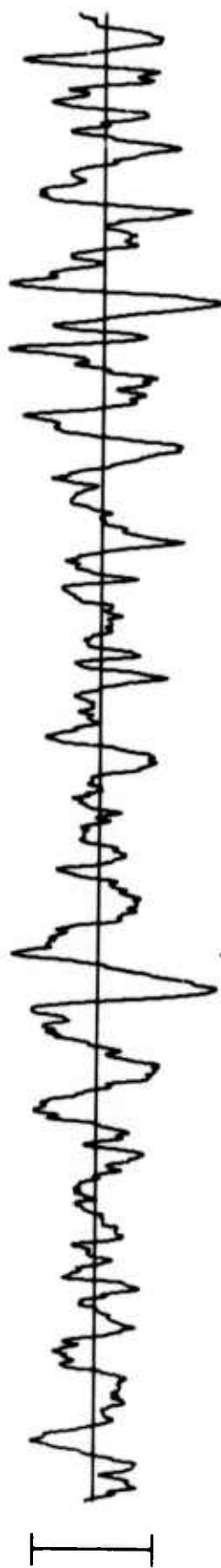
7.

SPT
9.04 Mμ



*TIME CORRECTION -1.0 SECOND

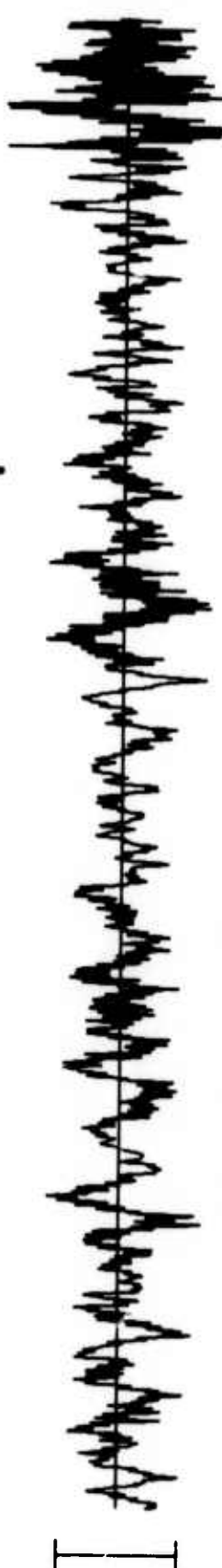
FN-WV 04 MAY 75



SPZ
12.25 Mμ



SPR
7.60 Mμ



SPT
12.79 Mμ



TIME

10 SEC

15:29:00

8.

HN-ME 04 MAY 75

SPZ
5.85 Mμ

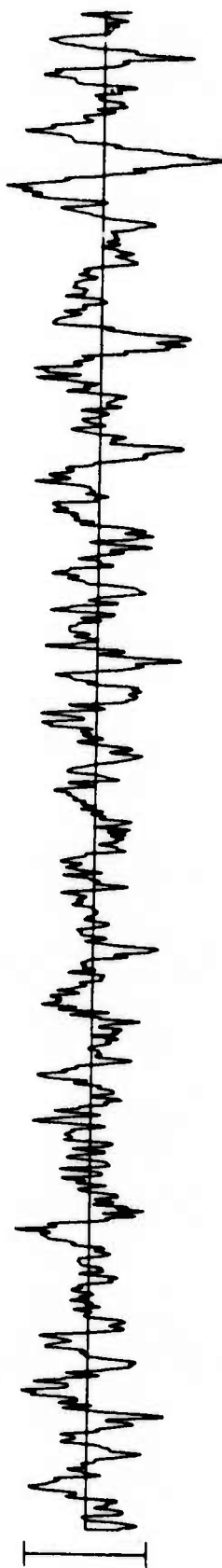


SPR
3.94 Mμ

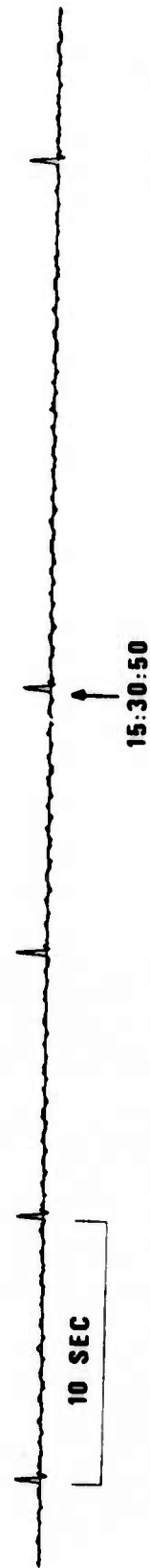


9.

SPT
7.13 Mμ



TIME



WH2YK 04 MAY 75

SPZ
4.88 MHz

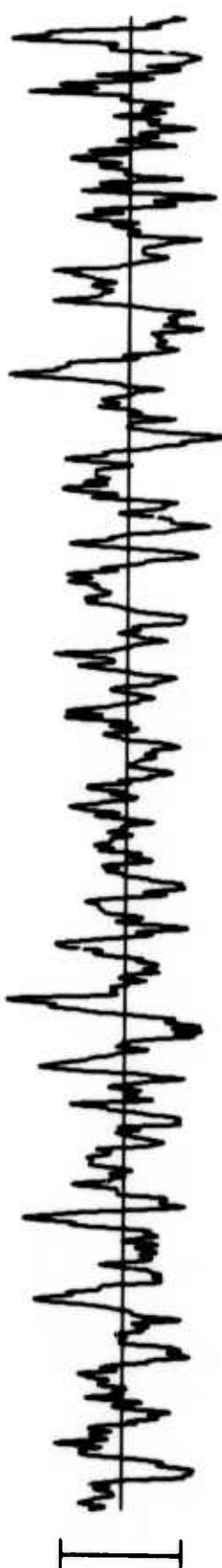


SPR
4.97 MHz

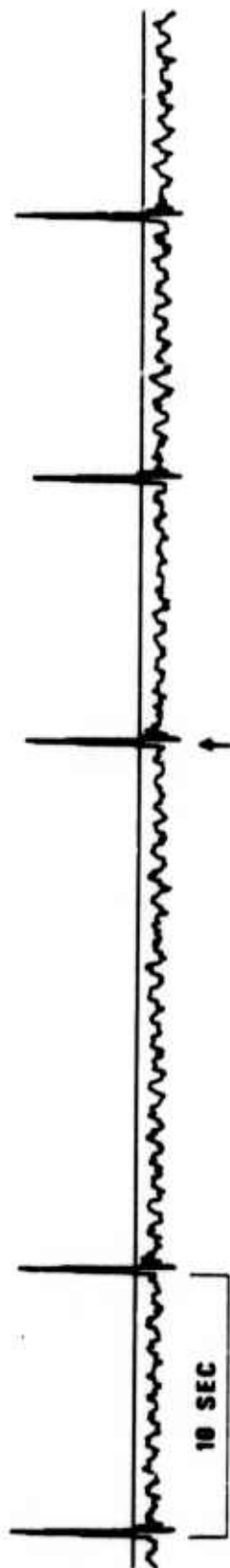


10.

SPT
5.92 MHz



TIME



15:33:10

LASA

1 4 MAY 1975

2 15 23 6 13.3N 93.5W 33C B 4.6 68 OFF COAST OF CHIAPAS. MEX

3 15 29 53.4 LAO P 13.3 1.3 12.9 34.9 158.1

EPX 67385

BP-B 0.6-2.0 HZ

ABN 8.0

15:29:43.4

AB 18

FAB 17

PAB1 17

PAB2 11

PAB3 22

PAB4 26

10 SEC

//.

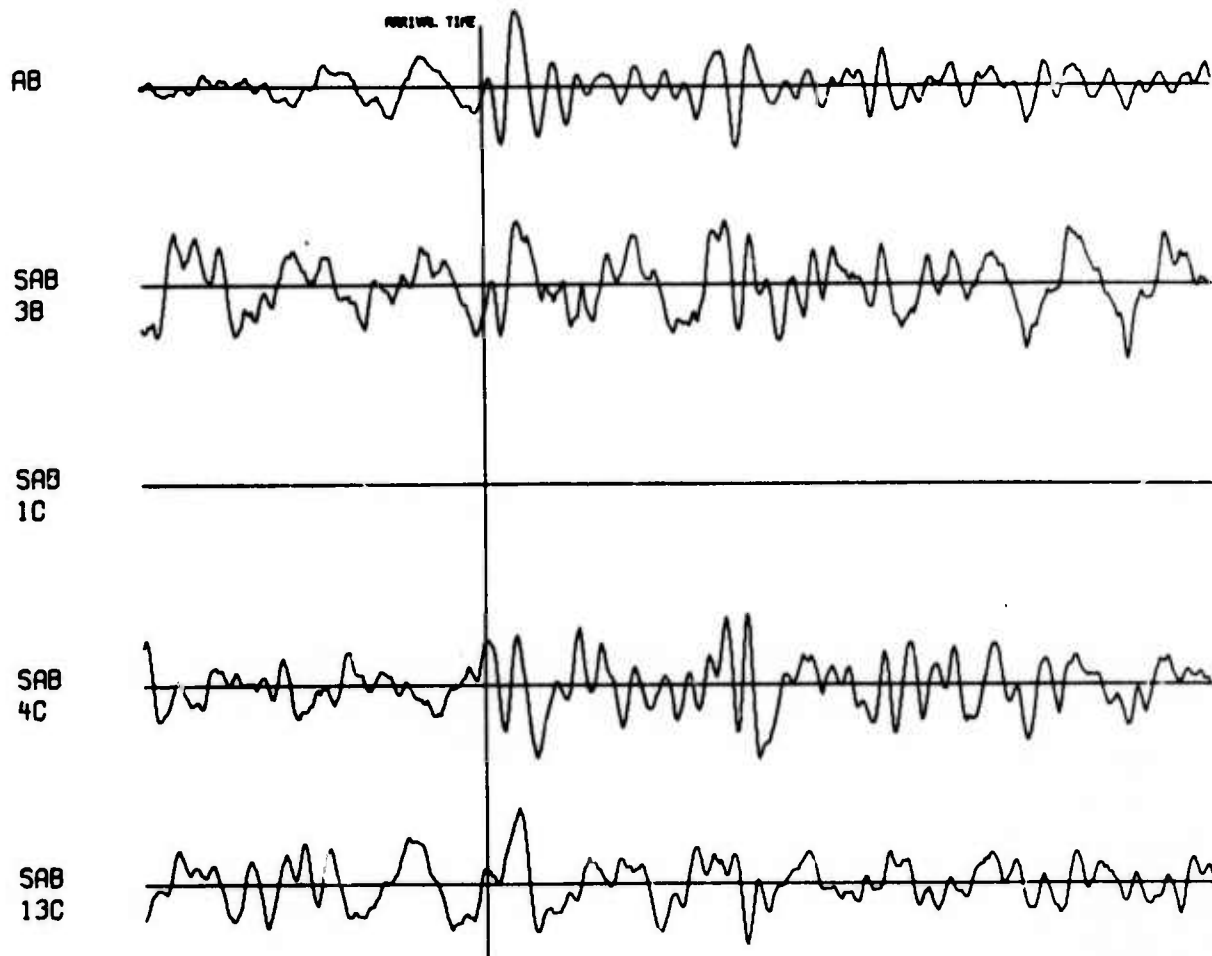
NORSAR EVENT FILE

1975 MAY 4

EPX NO. 28400 ARR. 15.35.46.1 13.6N 95.0W 4.3MB 33KM

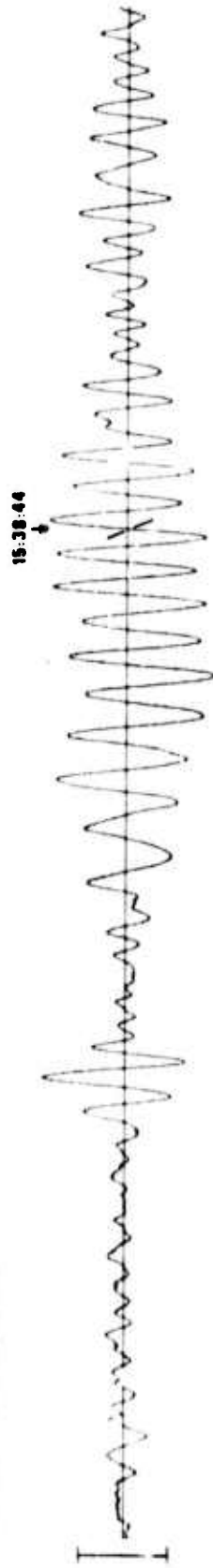
DIST = 85.6 AZI = 290.4 AMP = 4.1 PER = 1.4 UMETH 2

SCALE = 5 SECONDS



CP-S0 04 MAY 75

LPI
276.38 MP

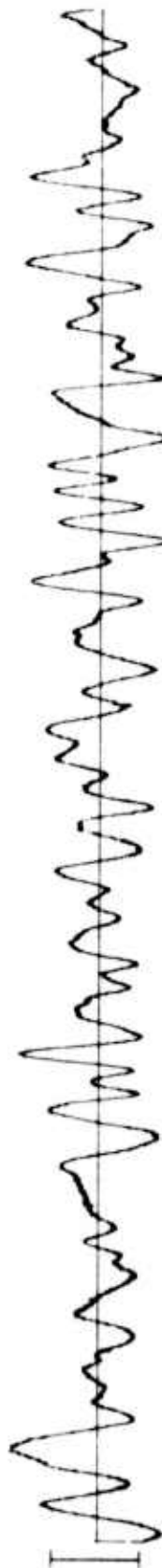


LPR
589.11 MP



13.

LPT
274.95 MP



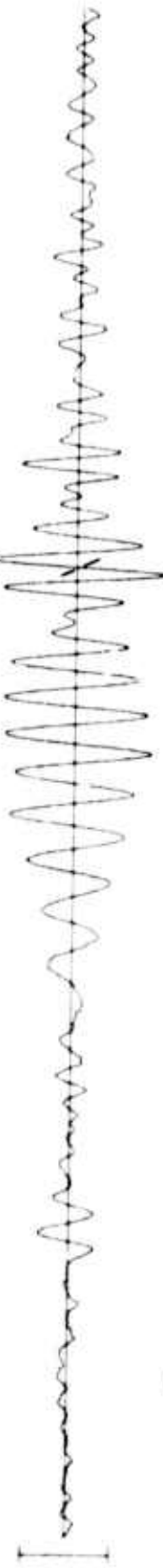
TIME



FN-WV 04 MAY 75

15:41:33

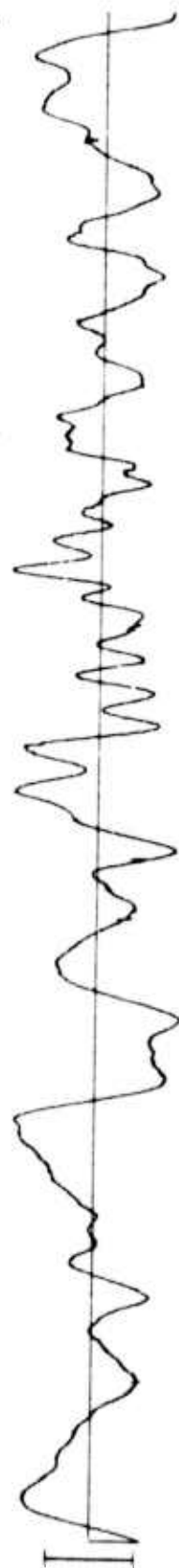
LPT
358.85 MP



LPR
822.17 MP



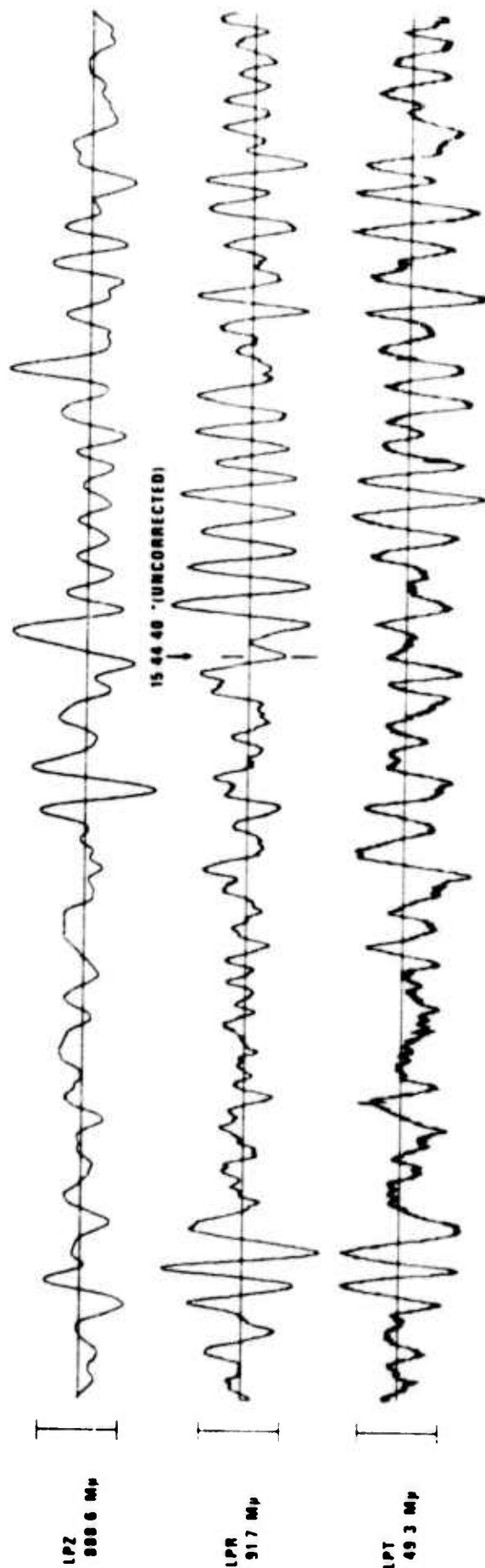
LPT
576.83 MP



2 MIN

14.

RK-ON 04 MAY 75

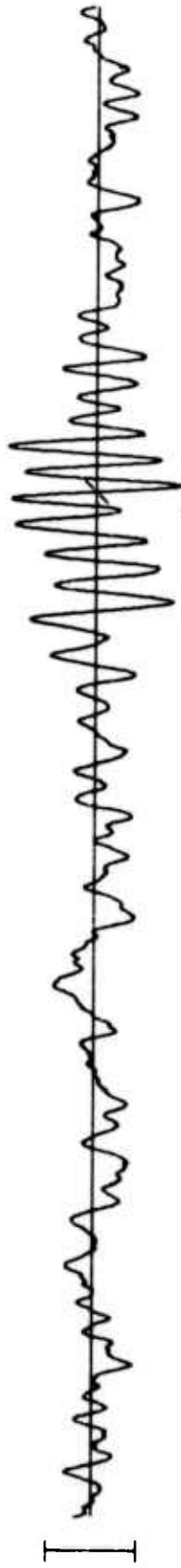


TIME CORRECTION 10 SECONDS

2 MIN

WH2YK 04 MAY 75

15 59 18
↑



HN-ME 04 MAY 75

LPZ
300.01 MP



LPR
585.44 MP



LPT
UNKNOWN



TIME

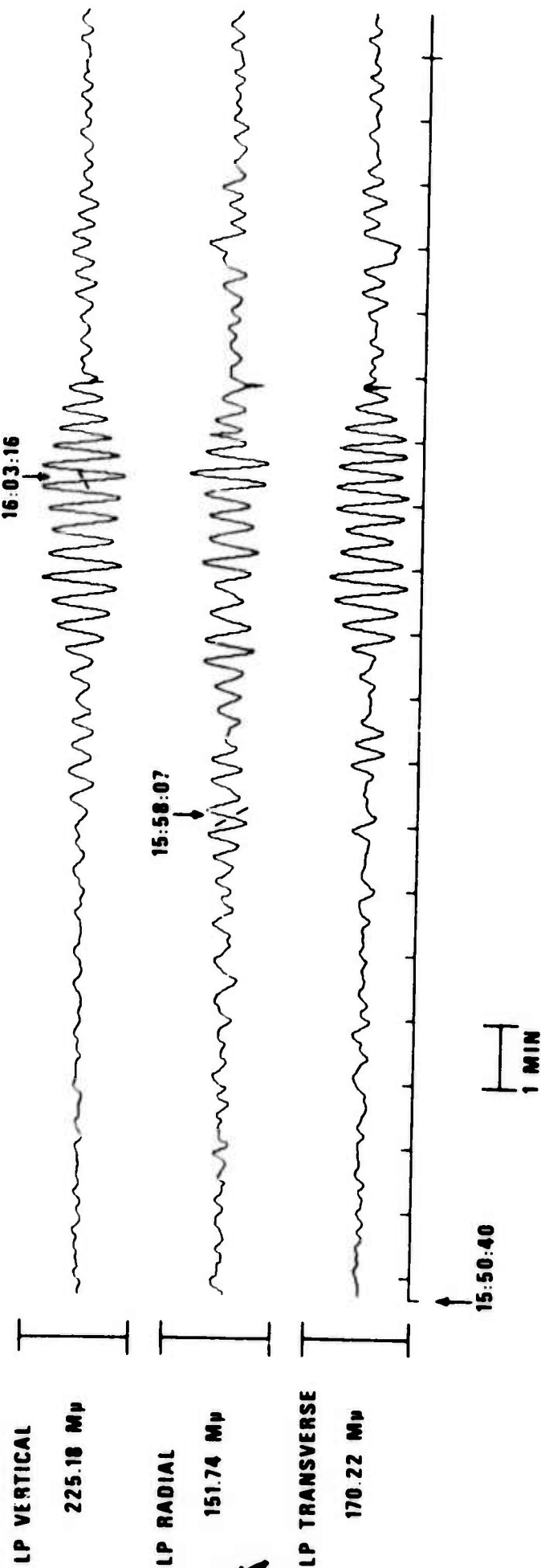
2 MIN

*CALIBRATIONS INVALID

15 50 00



ALPHA LONG-PERIOD BEAMS 04 MAY 75



LASA LONG-PERIOD BEAMS 04 MAY 75

LP VERTICAL

201.91 Mp



LP RADIAL

302.98 Mp



LP TRANSVERSE

153.24 Mp



15:35:40

1 MIN